

Consulting Arborists

Project No. TS - 6413

Arborist Report

TO: Chris Burrus - Harbour Homes LLC

SITE: 13437 NE 100th St, Redmond, WA 98033

DATE: February 27, 2019

PROJECT ARBORIST: Joshua Petter

ISA Certified Arborist #PN-8406A ISA Qualified Tree Risk Assessor

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REVIEWED BY: Katie Hogan

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REFFERENCED PLANS: Redmond 9 Short Plat, Source Harbour Homes LLC., Date September 20, 2018,

Revised December 20, 2018

ATTACHED: Table of Trees, Site Map, Exception Request Letters

Summary

Two hundred (200) trees were assessed at the above addressed site. One hundred and seventy-eight (178) of these trees were located within the property boundaries and twenty-two (22) trees were located off-site adjacent to the property with overhanging canopies.

One-hundred and seventy (170) of the site trees assessed meet the city definition of a healthy tree. Twenty-eight (28) of the healthy trees meet the definition of a landmark tree. Eight (8) trees were found to be in declining health or structural condition, five (5) of which are planned for removal. Due to their health condition, mitigation is not required following their removal.

The City of Redmond requires that 35-percent of healthy trees be retained throughout development. Of the 170 healthy trees located within the project area, 60 trees would need to be retained to meet city requirements (rounded to the nearest ten from 59.5).

Currently, 92 healthy site trees are proposed for retention, 39 healthy site trees are proposed to be impacted, and 39 healthy site trees are proposed to be removed. Total tree retention for this development project totals 54 percent (92 retained trees / 170 total healthy trees = 54.1%).

Three trees on neighboring property with overhanging canopies will be retained but are considered retained/impacted due to proposed disturbances within 5 radial feet of the drip line area as a result of

required roadway and frontage improvements. These trees will require appropriate tree protection measures that will ensure tree viability.

Forty-six total site and off-site trees are proposed for removal, six of which meet the landmark qualification. Significant trees removed shall be replaced at a 1:1 ratio; Landmark trees removed shall be replaced at a 3:1 ratio. Forty-two site and off-site trees are proposed to be impacted, 6 of which meet the landmark qualification. Exception requests for each removed and impacted Landmark tree will be submitted to the city.

According to RZC 21.72.080.B removed trees are required to be replaced. Impacted trees are not removed and therefore do not require replacement. **Fifty-eight** total replacement trees will be required to mitigate for removed trees.

Measurements of trees located on neighboring properties were estimated from the job site or the ROW. Shared trees and trees growing on site are labeled numerically on the site map, and trees growing in the ROW and on neighboring properties with overhanging canopies are labeled alphabetically.

Tree Protection

Retained trees should have protection measures established before the commencement of site work. Tree protection areas should include groups of trees wherever possible in order to maximize protection of the critical root zones. The included Tree Protection Specification should be followed throughout all phases of work. An International Society of Arboriculture (ISA) Certified Arborist should inspect tree protection fencing prior to the start of construction.

Recommendations

- Re-evaluate tree retention as plans are finalized, and house designs are available.
- Contact neighboring property owner to discuss tree removals if necessary, particularly tree H.
- Update plans to show removal of tree 1586, 1641, 1646-1651, and H.
- Update development plans to show tree protection measures in relation to proposed structures.
- Update construction limits on sheet 3/13.
- Update tree protection plan to include the redesigned stormwater outflow.
- Update tree protection fencing to actual locations, as it is not feasible in many of the current locations.
- Add clear numbers for trees 1613 and 1614.
- Obtain the necessary tree removal permission from the city before developing the site.
- Invasive species should be removed when developing the property.

Assignment & Scope of Report

This report outlines the site inspection by Joshua Petter and Tyler Bunton, of Tree Solutions Inc, made on July 12th, 2018.

We were asked to revise the arborist report, with reference to the proposed Redmond 9 Short Plat, dated December 20, 2019. These plans were provided to us by Harbour Homes LLC. We were asked to review the Redmond Zoning Code (RZC) requirements as they pertain to the project. We were asked to produce an Arborist Report including the species, size, health, and designation of each tree as it relates

to city code. Chris Burrus, of Harbour Homes LLC, requested these services to acquire information for project planning.

Specifics for each tree can be found in the attached Table of Trees. Site maps and photographs are followed by a glossary and list of references. Limits of assignment can be found in Appendix A. Methods can be found in Appendix B. Additional assumptions and limiting conditions can be found in Appendix C.

Observations

The Site

This 114,769 square-foot property is located in a RIN Single-Family Urban residential zone and is currently under consideration for development. The property fronts NE 100th St in Redmond. It currently contains three parcels. There are two houses, a garage, and shed on the property. There are a number of fences on the property, including a barbed wire fence that encompasses large portions of Tract B and C. The site is relatively flat on the northern half. The southern portion slopes downward to a stream and wetland area.

According to King County iMap the southern portion of the property is in a landslide hazard zone as well as an erosion hazard zone. The Redmond property viewer also shows that there is a class IV stream and a wellhead protection zone 4 at the south end of the property. There is no proposed development in these areas. The extent of the site can be seen on the attached site plans, and a 100-foot stream buffer is marked. The site is proposed to be developed into nine lots.

The Trees

We tagged and assessed 178 trees at the above addressed job site. Of these trees, 29 met the city definition of a landmark tree. Twenty-eight of the landmark trees were healthy at the time of our assessment.

The southern portion of the property consisted primarily of native woodland species including western redcedar (*Thuja plicata*), Douglas-fir (*Pseudotsuga menziesii*), and bigleaf maple (*Acer macrophyllum*). The northern portion of the property was primarily lawn space with ornamental and fruit trees throughout. These included apple (*Malus domestica*), plum (*Prunus domestica*), sycamore maple (*Acer pseudoplatanus*), and others.

There were some invasive understory plants growing on site including invasive ivy (*Hedera* spp.), English holly (*Ilex aquifolium*), Himalayan blackberry (*Rubus bifrons*), and periwinkle (*Vinca minor*); however, the majority of plants were native and include Oregon grape (*Mahonia aquilifolium*), raspberry (*Rubus* spp.), Salal (*Gaultheria shallon*), and sword fern (*Polystichum munitum*).

Tree 1670 and tree R are English holly (*Ilex aquifolium*) which is classified as a weed of concern in King County and is recommended for control in natural areas.

Specifics for each tree can be found in the attached Table of Trees.

Discussion - Retained, Impacted & Removed Trees

Trees

The Redmond Zoning Code (RZC) states that the tree protection area shall be a minimum of the drip line plus five additional radial feet added to the furthest extent of the drip line. Trees that are proposed to be retained, removed, or may be impacted, should be shown on a Tree Preservation Plan.

The RZC states that a minimum of 35-percent of all significant trees on the project site shall be retained on any new development site, along with all Landmark trees, unless an exception has been applied for and granted. All trees removed will need to be replaced at a 1:1 ratio for Significant trees and 3:1 ratio for Landmark trees. If the 35-percent retention level for significant trees is not achieved, each significant tree removed beyond 35-percent must be replaced at a 3:1 ratio.

Adjacent site trees with canopies overhanging the site as well as adjacent site trees that will be impacted by required road improvements are included in the overall count of retained, impacted, removed, and replacement trees. The trees on the adjacent properties are in varying health and structural condition. Careful construction practices should be implemented that do not over-excavate or encroach into the critical root zone of these trees.

Retained/Impacted Trees

Retained/Impacted refers to trees which will be retained and impacted by required frontage improvements. There are three trees located on adjacent property to the east of required road and utility improvements. These trees are I, J, and K with DSH's of approximately 10, 10, and 12 inches respectively. Because the impacts to these trees are a result of the frontage and utility improvements required by the city of Redmond, trees that are slated as retained/impacted can be retained.

Since these trees are young and relatively small diameter, in my opinion they should be able to survive construction if mitigation measures are followed. Tree K is a western hemlock tree, this species is sensitive to construction disturbances, and is in fair health condition. Extra care should be taken to preserve this tree. Disturbances should be minimized surrounding this tree, including landscaping.

All excavation for the road within five feet of the dripline should be done under the supervision of an ISA Certified Arborist. Pneumatic air excavation should be used for all excavation within these areas to identify roots. The arborist on site should determine if roots are suitable for retention or must be removed. Any roots greater than 1 inch that are designated for removal should be cut cleanly with a sharp saw.

Currently, the tree protection fencing on the referenced plans is located at the dripline plus 5 radial feet. The plans should locate this fencing at the edge of the road. For trees J and K the fencing could be moved to the edge of disturbance for the construction of the sidewalk.

Impacted Trees

Based on the plans provided to us there are currently 39 site trees, six of which are landmark trees, which are proposed to be impacted by site work. There are also three offsite trees proposed to be impacted. The Redmond Zoning Code (RZC) considers an impacted tree to be any tree that is disturbed within the tree protection area. The tree protection area is defined as an area equal to the drip line plus

five additional radial feet. Impacted trees are not to be counted towards the retention percentage for the site. Exception requests for impacted landmark trees will be submitted to the city.

Trees 1615, 1616, and 1617 are proposed to be impacted by the construction of an anchor point for an above ground stormwater outflow. It may be possible to move the anchor point outside of the tree protection area for some of these trees to avoid impacting them.

Trees 1586, 1589, 1609, 1610, 1611, 1612, 1613, 1641, 1649, 1650, 1651, and 1655, as well as offsite trees L, P, and V are proposed to be impacted by grading for housing pads and construction of a retaining wall at the edge of the lot lines.

Trees 1508-1517, 1558-1560, 1562-1566, 1568-1570, 1604-1606, 1609-1621 are also proposed to be impacted by excavation for and construction of a stormwater outflow. Alternative methods of excavation such as pneumatic air excavation should be used within 5 radial feet of the dripline to prevent damage to root systems of these trees. Any necessary root pruning should be done using a sharp saw under the supervision of an ISA Certified Arborist. Compaction of soil in this area should be avoided to the extent feasible. When installing silt fencing within the tree protection area the base of the silt fence should not be dug into the ground. Instead it should be secured using a material such as gravel above the existing soil surface in order to minimize soil and root disturbance. Any work beyond the stone retaining wall must be conducted with hand tools.

The retaining wall on the southwestern corner of lot nine would impact 1587-1589 and would require careful excavation under qualified arborist supervision. Pneumatic air excavation should be used in this area to identify roots and minimize root disturbance.

Trees I, J, and K adjacent to road improvements along the east side of the property will also require careful tree protection measures. Excavation along these trees should be done with pneumatic air excavation and under the supervision of a qualified arborist.

Tree protection specifications for offsite tree L should be taken into consideration when designing lot nine and siting the house location. Fencing location should be reassessed when individual lot plans are available.

Removed Trees

Thirty-nine healthy trees are proposed for removal on site, including four landmark trees. Additionally, seven offsite trees are proposed for removal, including two landmark trees. All healthy trees removed will require replacement or fee in lieu to meet mitigation requirements. Sixteen healthy trees will be removed for required frontage improvements (1575, 1577, 1578-1583, 1663, G, H, Q, R, S, T, and U) two of which (H and Q) are landmark trees. Trees G, Q, R, S, T, and U are located in the ROW along NE 100th St. These will require replacement at a 1:1 ratio for significant trees and a 3:1 ratio for landmark trees. Tree H is on the adjacent property and would likely not survive the construction of a road within a few feet of its trunk. Permission to remove this tree should be obtained from the neighboring property owner.

All other healthy trees to be removed (1585, 1586, 1652, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1665, 1666, 1667, 1668, 1669, 1670, 1672, 1673, 1674, 1675, 1676, 1677, 1678) are located within the areas to be graded for construction preparation.

Tree 1586 is a mature landmark Douglas-fir (*Pseudotsuga menziesii*) tree located on the southwest corner of proposed lot 9. This tree would have to be removed based on the new design of the retaining wall. This wall could potentially be reconfigured to retain the tree.

<u>Figure 1.</u> provides a description of the number of each tree scheduled to be removed, impacted, or retained, based on tree classification and site development schematics.

	Site Trees										
Tree Type	Remove	Impacted	Retained/Impacted*	Retained	Total						
Landmark	4	6	0	18	28						
(>30" DSH)	2.4%	3.5%	0.0%	10.6%	16.5%						
Significant	35	33	0	74	142						
(6" - 30")	20.6%	19.4%	0.0%	43.5%	83.5%						
Total	39	39	0	92	170						
	22.9%	22.9%	0.0%	54.1%	100.0%						
Replacement Trees	47	0	0	0	47						

	Off-Site Trees									
Tree Type	Remove	Impacted	Retained/Impacted*	Retained	Total					
Landmark	2	0	0	1	3					
(>30" DSH)	9.1%	0.0%	0.0%	4.5%	13.6%					
Significant	5	3	3	8	19					
(6" - 30")	22.7%	13.6%	13.6%	36.4%	86.4%					
Total	7	3	3	9	22					
	31.8%	13.6%	13.6%	40.9%	100.0%					
Replacement Trees	11	0	0	0	11					

Significant trees are to be replaced at a 1:1 ratio; Landmark trees at a 3:1 ratio. Each significant tree removed beyond 35-percent retention must be replaced at a 3:1 ratio. *Impacted by utilities/frontage improvements count as retained trees per RZC 21.72.060 (C)(3)and (4) therefore total tree retention of 67.1% is obtained for site trees.

<u>Preliminary Replacement Tree Calculations</u>

Landmark trees removed to be replaced at $3:1 = 6 \times 3 = 18$ replacement trees.

Significant trees removed to be replaced at 1:1: 39 x 1 = 39 replacement trees.

A total of **58 replacement trees** will be required to mitigate for trees removed on site.

Significant trees removed beyond the 35% minimum threshold to be replaced $3:1 = 0 \times 0 = 0$ replacement trees.

Total Retention Percentage of 54.1 percent is obtained for this development project.

Replacement Trees

When significant trees are to be removed the city code states that replacement trees are to be a minimum of:

- Two-and-one-half-inch caliper at breast height for deciduous trees or
- Six feet in height for evergreen trees.
- The administrator may consider smaller-sized replacement trees if the applicant can demonstrate that smaller trees are more suited to the species, the site conditions, and the purposes of this section, and that such trees will be planted in sufficient quantities to meet the intent of this section.
- Replacement trees shall be primarily native species in order to restore and enhance the site as nearly as practicable to its pre-development character.
- The condition of replacement trees shall meet or exceed current American Nursery and Landscape Association or equivalent organization's standards for nursery stock.
- Installation of required replacement trees shall be in accordance with best management practices for landscaping which ensure the tree's long-term health and survival.
- All required tree replacement and other required mitigation shall be bonded or completed prior to issuance of a building permit.

Tree Protection Specification

- Tree Protection Fencing: All trees planned for retention or on neighboring properties that
 overhang the site shall be protected for the entire duration of the construction project. Tree
 protection fencing should consist of chain-link fencing installed at the extent of the tree
 protection area. Where trees are being retained as a group the fencing should encompass the
 entire area.
- **Soil Protection:** No parking, materials storage, or dumping (including excavated soils) are allowed within the tree protection area. Any heavy machinery should remain outside of the protection area unless soils are protected from the load. Acceptable methods of soil protection include applying 1 inch plywood over 3 to 4 inches of wood chip mulch, or use of Alturna mats (or equivalent product).
- Excavation: Excavation done at or within the tree protection area should be carefully planned to minimize disturbance. Where feasible consider using alternative methods such as pneumatic excavation which uses pressurized air to blow soil away from the root system, directional drilling to bore utility lines, or hand excavation to expose roots. Excavation done with machinery (backhoe) in proximity of trees should be performed slowly with flat front buckets, removing small amounts of soil at a time with one person on the ground spotting for roots. When roots

- are encountered, excavation should stop and roots should be cleanly pruned as needed so they are not ripped or torn.
- **Root Pruning:** Root pruning should be limited to the extent possible. All roots shall be pruned with a sharp saw making clean cuts. Avoid fracturing and breaking roots with excavation equipment. Root cuts shall be immediately covered with soil or mulch and kept moist.
- **Duff/Mulch:** Retain and protect as much of the existing duff and understory as possible. Retained trees in areas where there are exposed soils shall have 4 to 6 inches of wood chips applied to help prevent water evaporation and compaction. Keep mulch 1 foot away from the base of the tree.
- **Irrigation:** Retained trees may require supplemental water if construction occurs during summer drought periods.
- Pruning: Any pruning required for construction and safety clearance in accordance with a
 pruning specification provided by the project arborist in accordance with American National
 Standards Institute ANSI A300 Standard Practices for Pruning. Use of an arborist with an
 International Society of Arboriculture Certification to perform pruning is strongly advised.

Photographs



Photo 1: There are many large native trees adjacent to the riparian area.



Photo 1: Some of the bigleaf maples (*Acer macrophyllum*) growing in the natural area had large cavities due to a heart rot decay.

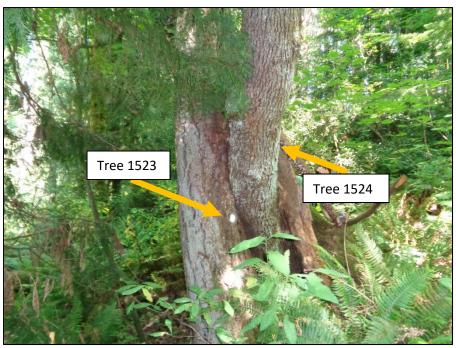


Photo 3: Tree 1524 growing around tree 1523. These trees were growing in the forested portion of the site.

Glossary

codominant stems: stems or branches of nearly equal diameter, often weakly attached (Matheny *et al.* 1998)

crown/canopy: the aboveground portions of a tree (Lilly 2001)

DSH: diameter at standard height; the diameter of the trunk measured 54 inches (4.5 feet) above grade (Matheny *et al.* 1998)

ISA: International Society of Arboriculture

included bark: bark that becomes embedded in a crotch between branch and trunk or between codominant stems and causes a weak structure (Lilly 2001)

landmark tree: a healthy tree with a DSH greater than 30-inches. (RZC)

structural defects: flaws, decay, or other faults in the trunk, branches, or root collar of a tree, which may lead to failure (Lilly 2001)

References

ANSI A300 (Part 1) – 2008 American National Standards Institute. <u>American National Standard for Tree Care Operations: Tree, Shrub, and Other Woody Plant Maintenance: Standard Practices (Pruning)</u>. New York: Tree Care Industry Association, 2008.

Dunster & Associates Environmental Consultants Ltd. <u>Assessing Trees in Urban Areas and the Urban-Rural Interface</u>, <u>US Release 1.0</u>. Silverton: Pacific Northwest Chapter ISA, 2006

Lilly, Sharon. <u>Arborists' Certification Study Guide</u>. Champaign, IL: The International Society of Arboriculture, 2001.

Matheny, Nelda and James R. Clark. <u>Trees and Development: A Technical Guide to Preservation of Trees During Land Development</u>. Champaign, IL: International Society of Arboriculture, 1998.

Mattheck, Claus and Helge Breloer, <u>The Body Language of Trees.</u>: A Handbook for Failure Analysis. London: HMSO, 1994.

Redmond Zoning Code. http://www.codepublishing.com/WA/redmond.html

Appendix A - Limits of Assignment

Unless stated otherwise: 1) information contained in this report covers only those trees that were examined and reflects the condition of those trees at the time of inspection; and 2) the inspection is limited to visual examination of the subject trees without dissection, excavation, probing, climbing, or coring unless explicitly specified. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future.

Tree Solutions did not review any reports or perform any tests related to the soil located on the subject property unless outlined in the scope of services. Tree Solutions staff are not and do not claim to be soils experts. An independent inventory and evaluation of the site's soil should be obtained by a qualified professional if an additional understanding of the site's characteristics is needed to make an informed decision.

Appendix B - Methods

I evaluated tree health and structure utilizing visual tree assessment (VTA) methods. The basis behind VTA is the identification of symptoms, which the tree produces in reaction to a weak spot or area of mechanical stress. A tree reacts to mechanical and physiological stresses by growing more vigorously to reinforce weak areas, while depriving less stressed parts (Mattheck & Breloer 1994). An understanding of the uniform stress allows me to make informed judgments about the condition of a tree.

I measured the diameter at standard height (DSH) of each tree, typically at 54 inches above grade. If a tree had multiple stems, I measured each stem individually at standard height and determined a single-stem equivalent diameter by taking the average of the stem diameters, as established by the RZC.

Tree health considers crown indicators including foliar density, size, color, stem shoot extensions, decay, and damage. We have adapted our ratings based on the Purdue University Extension Formula Values for health condition. These values are a general representation used to assist in arborists in assigning ratings. Tree health needs to be evaluated on an individual basis and may not always fall entirely into a single category, however, I assigned a single condition rating for ease of clarity.

Excellent

Perfect specimen with excellent form and vigor, well-balanced crown. Normal to exceeding shoot length on new growth. Leaf size and color normal. Trunk is sound and solid. Root zone undisturbed. No apparent pest problems. Long safe useful life expectancy for the species.

Good

Imperfect canopy density in few parts of the tree, up to 10 percent of the canopy. Normal to less than ¾ of typical growth rate of shoots and minor deficiency in typical leaf development. Few pest issues or damage, and if they exist they are controllable or tree is reacting appropriately. Normal branch and stem development with healthy growth. Safe useful life expectancy typical for the species.

Fair

Crown decline and dieback up to 30 percent of the canopy. Leaf color is somewhat chlorotic/necrotic with smaller leaves and "off" coloration. Shoot extensions indicate some stunting and stressed growing conditions. Stress cone crop is clearly visible. Obvious signs of pest problems contributing to a lesser condition. Control might be possible. I found some decay areas in the main stem and branches. Below average safe useful life expectancy

Poor

Lacking full crown, more than 50 percent decline and dieback, especially affecting larger branches. Stunting of shoots is obvious with little evidence of growth on smaller stems. Leaf size and color reveals overall stress in the plant. Insect or disease infestation may be severe and uncontrollable. Extensive decay or hollows in branches and trunk. Short safe useful life expectancy.

Tree health condition ratings have been adapted from the Purdue University Extension bulletin FNR-473-W - Tree Appraisal.

Appendix C - Assumptions & Limiting Conditions

- 1. Consultant assumes that any legal description provided to Consultant is correct and that title to property is good and marketable. Consultant assumes no responsibility for legal matters. Consultant assumes all property appraised or evaluated is free and clear, and is under responsible ownership and competent management.
- 2. Consultant assumes that the property and its use do not violate applicable codes, ordinances, statutes or regulations.
- 3. Although Consultant has taken care to obtain all information from reliable sources and to verify the data insofar as possible, Consultant does not guarantee and is not responsible for the accuracy of information provided by others.
- 4. Client may not require Consultant to testify or attend court by reason of any report unless mutually satisfactory contractual arrangements are made, including payment of an additional fee for such Services as described in the Consulting Arborist Agreement.
- 5. Unless otherwise required by law, possession of this report does not imply right of publication or use for any purpose by any person other than the person to whom it is addressed, without the prior express written consent of the Consultant.
- 6. Unless otherwise required by law, no part of this report shall be conveyed by any person, including the Client, the public through advertising, public relations, news, sales or other media without the Consultant's prior express written consent.
- 7. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event or upon any finding to be reported.
- 8. All photographs included in this report were taken by Tree Solutions Inc. during the documented site visit, unless otherwise noted.
- 9. Sketches, drawings and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.
- 10. Unless otherwise agreed, (1) information contained in this report covers only the items examined and reflects the condition of the those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring. Consultant makes no warranty or guarantee, express or implied, that the problems or deficiencies of the plans or property in question may not arise in the future.
- 11. Loss or alteration of any part of this agreement invalidates the entire report.



Tree									Dripline				Number of	
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See Tell Providestage mentional Disaglas File 32.3 Good Good 14 Landmark Impacted Visible Septiment Se	1	507	Site Tree	Pseudotsuga menziesii	Douglas-fir	17.6	Good	Good	10	Significant	Retain	Viable		
100 Site Tere Project princephylis Western hemick 134 Sist Good 1 Significant Impacted Vable Significant Significant Impacted Vable Significant Impacted Vable Significant	1	508	Site Tree	Pseudotsuaa menziesii	Douglas-fir	32.3	Good	Good	14	Landmark	Impacted	Viable		High live crown ratio, growing along canopy opening
1509 Set Teme Psychotrographyrolar Western Nemotics 15.4 Fair Good 11 Significant Impacted Vable														
15.10 Size Tree Psychologoge membered Douglass Fr 47.2 Good Good 14 Significant Impacted Vable Control	1	509	Site Tree	Tsuga heteronhylla	Western hemlack	19 /	Fair	Good	11	Significant	Impacted	Viable		
1511 Ste Tree Pstundersuper merceid Douglas-fir 21,0 Good Fair 10 Septiment Impacted Viable	- 1-	_												Sparse necures
1512 Str Tee Resultofsup menzesi Dougla-fir 21.0 Good Good Supriment Mapaced Vable Cottop.ore-reteration 1514 Str Tee Resultofsup menzical Dougla-fir 12.8 Good Good Supriment Mapaced Vable Cottop Supriment Mapaced Vable Cottop C	- 1-	_												
1513 151 Tem Pulya pincter Western redeciar 1.0 Good Good 9 Symficant Impacted Viable 1.1 Cood Fire Pulya pincter 1.2 Good Fire 9 Symficant Impacted Viable Codominant at 8 feet 1.5 Sim Tem T	- 1-	_												1
1514 Site Tree Pseudotsugo membesi Douglas-fir 21.8 Good Good 5 Significant Impacted Viable Codommant at 8 feet Significant Impacted Viable Codommant at 25 feet Significant Significant Impacted Viable Codommant at 25 feet Significant Impacted Viable Codommant at 25 feet Significant Significant Impacted Viable Codommant at 25 feet Significant	- 1-	_		-		_								Lost top, one reiteration
1515 Ste Tree Reudotsuga menancial Douglas-Fir 31.1 Good Good 13 Suprificant Impacted Viable Codominant at a Feet	- 1-	_							-					
1515 Site Tree Acer macrophyllum Bigleal maple 24.5 Good Good 15 Significant Thipsy piloton Western redeckeds 15.2 Good Good 8 Significant Thipsy piloton Western redeckeds 15.2 Good Good 12 Significant Thipsy piloton Western redeckeds 15.2 Good Good 12 Significant Thipsy piloton Western redeckeds 15.2 Good Good 12 Significant Thipsy piloton Western redeckeds 15.2 Good Good 12 Significant Retain Vable Some deadwood in canopy, phototropic to south 1520 Site Tree Acer macrophyllum Sigleal maple 20.8 Good Good 12 Significant Retain Vable Some deadwood in canopy, phototropic to south 1522 Site Tree Acer macrophyllum Sigleal maple 23.1 Good Good 23 Significant Retain Vable Some deadwood in canopy, phototropic to south 1523 Site Tree Acer macrophyllum Significant Signifi	- 1-	_							-					Lost top
1517 Site Tree Thuip pilectar Western redectedar 14.3 Good Good 11 Significant Viable Codominant at 25 feet	- 1-	_												
1518 Site Tree Thip pilotate Western redocdar 14.3 Good Good 12 Significant Significant Vable Some deadwood in canopy, phototropic to south	1	1516	Site Tree	Acer macrophyllum	Bigleaf maple		Good	Good		Significant	Impacted			Codominant at 8 feet
Significant	1	1517	Site Tree	Thuja plicata	Western redcedar	15.2	Good	Good	8	Significant	Impacted	Viable		Codominant at 25 feet
1320 Site Tree Acer macrophyllum Bigleaf maple 23.1 Good Good 13 Significant Vable	1	518	Site Tree	Thuja plicata	Western redcedar	14.3	Good	Good	11	Significant	Retain	Viable		
1520 Site Tree Acer macrophyllum Bigleaf maple 23.1 Good Good 13 Significant Nable Signi	1	519	Site Tree	Acer macrophyllum	Bigleaf maple	20.8	Good	Good	12	Significant	Retain	Viable		Some deadwood in canopy, phototropic to south
Size Time Thip pinistate Western redeclar 9.4 Good Good 13 Significant Netwin Western redeclar 15.2 Size Tee Pseudotsup mentesis Douglas-fir 25.0 Good Good 23 Significant Netwin Western redeclar 13.4 Good Fair 21 Size Time Netwin	1	$\overline{}$						Good	12					17.
1522 Site Tree Pseudotstage mentales Douglas-Fir 23.5 Good Good 27 Landmark Significant Sig	1	_				9.4		Good	13		Retain	Viable		
Size Tene Reudotsuga menziesii Douglas-fir 25.0 Good 23 Significant Retain Vable Growing between two stems of tree 1524 Size Size Tene Pulya pictor Pulya pictor Western redecdar 3.4 Good Fair 21 Size Size Tene Pulya pictor Western redecdar 3.4 Good Fair 21 Size Size Tene Pulya pictor Western redecdar 3.4 Good Fair 21 Size Size Tene Pulya pictor Western redecdar 3.4 Good Fair 21 Size Size Tene Acer mocrophyllum Bigleaf maple 11.6 Good Foor 14 Size	- 1-													
1524 Site Tree Acer macrophyllum Sigleaf maple 20.8 Good Fair 21 Significant Viable Growing around tree 1523	- 1-													Growing between two stems of tree 1524
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Size Tree Thuip pilicate Mestern redecidar 9.2 Good Good 7 Significant Retain Viable Significant Signi	- 1-	_												-
1527 Site Tree Acer macrophyllum Bigleaf maple 11.6 Good Good 13 Significant Retain Viable Galure at base, uncorrected lean north approximately 30 degrees, only live growth is epicormic shoots on trunk 1528 Site Tree Acer macrophyllum Bigleaf maple 18.2 Good Good 13 Significant Retain Viable Some basal decay 1530 Site Tree Acer macrophyllum Bigleaf maple 16.6 Good Good Good Significant Retain Viable Some basal decay 1530 Site Tree Thuja plicata Western redecdar 9.1 Good Good Significant Retain Viable Some basal decay 1533 Site Tree Thuja plicata Western redecdar 18.0 Good Good Significant Retain Viable 1533 Site Tree Acer macrophyllum Bigleaf maple 15.2 Good Good Fair 11 Significant Retain Viable 1534 Site Tree Acer macrophyllum Bigleaf maple 8.4 Good Fair 18 Significant Retain Viable 1535 Site Tree Acer macrophyllum Bigleaf maple 8.4 Good Fair 18 Significant Retain Viable 1535 Site Tree Acer macrophyllum Bigleaf maple 8.4 Good Fair 18 Significant Retain Viable 1536 Site Tree Acer macrophyllum Bigleaf maple 23.4 Good Fair 15 Significant Retain Viable 1536 Site Tree Acer macrophyllum Bigleaf maple 23.4 Good Fair 15 Significant Retain Viable 1536 Site Tree Pseudotsuga menziesii Douglas-fir 30.0 Good Good 20 Significant Retain Viable 1536 Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Significant Retain Viable Significant Retain Viable Significant Retain Viable Significant Significant Retain Viable Significant Sign	- 1-	_							-					Lost leader at 6 feet
Siste Tree Acer macrophyllum Bigleaf maple 18.2 Good Good 13 Significant Retain Viable Some basal decay	- 1-	_												
Size Tree Acer macrophyllum Bigleaf maple 18.2 Good Good Fair 11 Significant Retain Viable Some basal decay	1	1527	Site Tree	Acer macrophyllum	Bigleaf maple	11.6	Good	Poor	14	Significant	Retain - Unhealthy	Non-Viable		Failure at base, uncorrected lean north approximately 30
Size Tree Acer macrophyllum Bigleaf maple 16.6 Good Fair 11 Significant Retain Viable Some basal decay														degrees, only live growth is epicormic shoots on trunk
Size Tree Acer macrophyllum Bigleaf maple 16.6 Good Fair 11 Significant Retain Viable Some basal decay														
Size Tree Thuja plicata Western redecedar 9.6 Good Good 9 Significant Retain Viable	1	528	Site Tree	Acer macrophyllum	Bigleaf maple	18.2	Good	Good	13	Significant	Retain	Viable		
Size Tree Thuja plicata Western redecedar 9.6 Good Good 9 Significant Retain Viable	1	529	Site Tree	Acer macrophyllum	Bigleaf maple	16.6	Good	Fair	11	Significant	Retain	Viable		Some basal decay
Ste Tree Truja plicata Western redecdar 9.1 Good Good 8 Significant Retain Viable Codominant at 1 foot, included bark to 5 feet	1					9.6	Good	Good	9		Retain	Viable		·
Site Tree Thuja plicata Western redcedar 18.0 Good Fair 11 Significant Retain Viable Codominant at 1 foot, included bark to 5 feet	- 1-	_							8					
Site Tree Acer macrophyllum Bigleaf maple 15.2 Good Good 12 Significant Retain Viable Codominant at base, small stem nearly dead	- 1-	_							-					Codominant at 1 foot included bark to 5 feet
Site Tree Acer macrophyllum Bigleaf maple 8.4 Good Fair 18 Significant Retain Viable Codominant at base, small stem nearly dead		$\overline{}$												codonimant de 1100t, included bark to 5 feet
Site Tree Thuja plicata Western redcedar 10.7 Good Good 14 Significant Niable Significant Ni	- 1-	_												Codominant at base small stom pearly dead
Site Tree Thuja pilicata Western redcedar 13.0 Good Good 12 Significant Retain Viable Large basal wound with decay, good response growth, phototropic to south	- 1-	_												Codoffillant at base, small stern flearly dead
Site Tree Acer macrophyllum Bigleaf maple 23.4 Good Fair 15 Significant Retain Viable Large basal wound with decay, good response growth, phototropic to south ph	- 1-					_								
Site Tree Pseudotsuga menziesii Douglas-fir 36.0 Good Good Fair 20 Significant Retain Viable Growing immediately adjacent to tree 1539 with seam to approximately 15 feet Coodiminant at 6 feet, growing next to tree 1538 with seam to approximately 15 feet Coodiminant at 6 feet, growing next to tree 1538 with seam to approximately 15 feet, east stem has a splitting union at approximately 30 feet Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Landmark Retain Viable Wound from base to 15 feet, good response growth	- 1-	_												
Site Tree Pseudotsuga menziesii Douglas-fir 36.0 Good Good 14 Landmark Retain Viable Growing immediately adjacent to tree 1539 with seam to approximately 15 feet Landmark Retain Viable Growing immediately adjacent to tree 1539 with seam to approximately 15 feet Codominant at 6 feet, growing next to tree 1538 with seam to approximately 15 feet, east stem has a splitting union at approximately 30 feet Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Landmark Retain Viable Wound from base to 15 feet, good response growth Site Tree Pseudotsuga menziesii Douglas-fir 23.7 Good Good 11 Significant Retain Viable Wound from base to 15 feet, good response growth Site Tree Pseudotsuga menziesii Douglas-fir 31.4 Good Good 21 Landmark Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 31.4 Good Good 14 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 37.7 Good Good 14 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 27.7 Good Good 14 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 27.7 Good Good 15 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 27.7 Good Good 8 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 27.8 Good Good 16 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 28.0 Good Good 18 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 13 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 13 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 11 Significant Retain Viable	3	1537	Site Tree	Acer macrophyllum	Bigleaf maple	23.4	Good	Fair	15	Significant	Retain	Viable		
Site Tree Acer macrophyllum Bigleaf maple 25.0 Good Fair 20 Significant Retain Viable Codominant at 6 feet, growing next to tree 1538 with seam to approximately 15 feet east stem has a splitting union at approximately 30 feet	L													
Site Tree Acer macrophyllum Bigleaf maple 25.0 Good Fair 20 Significant Retain Viable Codominant at 6 feet, growing next to tree 1538 with seam to approximately 15 feet, east stem has a splitting union at approximately 30 feet 1540 Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Landmark Retain Viable Wound from base to 15 feet, good response growth 1541 Site Tree Acer macrophyllum Bigleaf maple 11.1 Good Good 11 Significant Retain Viable Wound from base to 15 feet, good response growth 1542 Site Tree Pseudotsuga menziesii Douglas-fir 23.7 Good Good 21 Landmark Retain Viable Wound from base to 15 feet, good response growth 1543 Site Tree Pseudotsuga menziesii Douglas-fir 31.4 Good Good 21 Landmark Retain Viable Wound from base to 15 feet, good response growth 1544 Site Tree Pseudotsuga menziesii Douglas-fir 27.7 Good Good 14 Significant Retain Viable Wound from base to 15 feet, good response growth 1545 Site Tree Acer macrophyllum Bigleaf maple 9.5 Good Good 14 Significant Retain Viable Western redeedar 7.8 Good Good 8 Significant Retain Viable Western redeedar 7.8 Good Good Sood 8 Significant Retain Viable Western redeedar 7.8 Good Good 12 Significant Retain Viable Western redeedar 7.8 Good Good 13 Significant Retain Viable Western redeedar 7.8 Good Good 13 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 13 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good Site Tree Pseudotsuga menziesii Douglas-fir 19	1	1538	Site Tree	Pseudotsuga menziesii	Douglas-fir	36.0	Good	Good	14	Landmark	Retain	Viable		Growing immediately adjacent to tree 1539 with seam to
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Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Landmark Retain Viable Wound from base to 15 feet, good response growth	1	1539	Site Tree	Acer macrophyllum	Bigleaf maple	25.0	Good	Fair	20	Significant	Retain	Viable		Codominant at 6 feet, growing next to tree 1538 with
Site Tree Pseudotsuga menziesii Douglas-fir 39.5 Good Good 20 Landmark Retain Viable Wound from base to 15 feet, good response growth														seam to approximately 15 feet, east stem has a splitting
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Site Tree Pseudotsuga menziesii Douglas-fir 23.7 Good Good 13 Significant Retain Viable	1	_												Wound from base to 15 feet, good response growth
Site Tree Pseudotsuga menziesii Douglas-fir 31.4 Good Good 21 Landmark Retain Viable			5110 1100	nice macrophynam	Digical mapic	12.2	0000	0000		J.gcu.ic	necom	Viable		round nom base to 15 reet, good response growth
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1544 Site Tree Pseudotsuga menziesii Douglas-fir 27.7 Good Good 14 Significant Retain Viable 1545 Site Tree Acer macrophyllum Bigleaf maple 9.5 Good Good 16 Significant Retain Viable 1546 Site Tree Thuja plicata Western redeedar 7.8 Good Good 8 Significant Retain Viable 1547 Site Tree Pseudotsuga menziesii Douglas-fir 11.8 Good Good 12 Significant Retain Viable 1548 Site Tree Pseudotsuga menziesii Douglas-fir 20.0 Good Good 13 Significant Retain Viable 1549 Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable	- 1-	_												
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1549 Site Tree Pseudotsuga menziesii Douglas-fir 19.5 Good Good 11 Significant Retain Viable	1	1547	Site Tree	Pseudotsuga menziesii	Douglas-fir		Good	Good		Significant	Retain			
	1	548	Site Tree	Pseudotsuga menziesii	Douglas-fir	20.0	Good	Good	13	Significant	Retain	Viable		
1550 Site Tree Pseudotsuga menziesii Douglas-fir 33.5 Good Good 19 Landmark Retain Viable	1	549	Site Tree	Pseudotsuga menziesii	Douglas-fir	19.5	Good	Good	11	Significant	Retain	Viable		
	1	1550	Site Tree	Pseudotsuga menziesii	Douglas-fir	33.5	Good	Good	19	Landmark	Retain	Viable		



Consulting Arborists Redmond, W.								Redmo	ond, WA 980	33, US	Д		neviseu. Tebruary 27, 2013
							Dripline				Number of		
Tree	Tree			DSH	Health	Structural	Radius	Tree	Preliminary Tree		Replacement		
ID	Location	Scientific Name	Common Name	(inches)	Condition	Condition	(feet)	Designation	Retention	Viability	Trees	Notes	
1551	Site Tree	Acer macrophyllum	Bigleaf maple	6.9	Good	Good	11	Significant	Retain	Viable			
1552	Cito Troo	Deaudateuga manziacii	Douglas fir	27.0	Cood	Cood	12	Cignificant	Rotain	Viable		Enicormic choots	

Tree								Dripline				Number of	
1955 1972 Part Per Privacy Start Free Priva	Tree	Tree			DSH	Health	Structural	Radius	Tree	Preliminary Tree		Replacement	
1535 158 Teal Perun macrophylum Inguest mappin 6.0 Contact Contact 12 Significant Value	ID	Location	Scientific Name	Common Name	(inches)	Condition	Condition	(feet)	Designation	Retention	Viability	Trees	Notes
1922 1925 1972	1551				-								
1925 Size Tree, Proceedings memorials Douglas for 10.0 Good Farr 7 Significant Visible Line Li													Enicormic shoots
1555 Size Trace Productionage mercental Douglas fir 15.5 Good Good 10 Significant Part			-										Epicorinic shoots
1525 158 Tree Procederinger mercenesi Dougles for 12 Good Good 10 Significant			 										Leather
1525 1516 Tree Prescribetogue mercenial 100			-										Lost top
1525 Site Prec Traing protect Western moderal 1.9 Good Good 11 Significant Impacted Visible Conformant at base			-						-				
1525 157 Fee Ace macrophylum Biglet maple 12.0 Good Good 15 Significant mysted Viable Wound at Steet, good risponse growth													
1399 1519	1557					Good	Good		Significant	Impacted			
1505 Size Tree Paculostosy memoriani Douglas fr 20.0 Good Good 13 Significant Impacted Visible Color	1558	Site Tree	Acer macrophyllum	Bigleaf maple	18.0	Good	Good	16	Significant	Impacted	Viable		Codominant at base
1565 Set Time Tagge Petersphyling Western Nemock 7.5 Good Fair SeyPinCant Wable Unst leader at 4 feet	1559	Site Tree	Acer macrophyllum	Bigleaf maple	17.0	Good	Good	14	Significant	Impacted	Viable		Wound at 5 feet, good response growth
1962 Site Tree Acer macrophylum Ougles fire Acer macrophylum Sige framable 9.9 Good Good 17 Sepfificant Impacted Vabile	1560	Site Tree	Pseudotsuga menziesii	Douglas-fir	20.0	Good	Good	13	Significant	Impacted	Viable		
1962 Site Tree Acer macrophyllum Siges frample 9.9 Good Good 17 Significant Impacted Vaable	1561	Site Tree	Tsuga heterophylla	Western hemlock	7.5	Good	Fair	8	Significant	Retain	Viable		Lost leader at 4 feet
1545 Sie Tee Peudotstage menzioni Osagis fir 4.2.0 Good Good 17 Lindmark Impacted Vable	1562	Site Tree		Bigleaf maple	9.9	Good	Good	17	-	Impacted	Viable		
1965 Six Free Aer macrophyllum Bigelef maple 8.4 Cood Good 12 Significant Impacted Vable													
1565 Site Tree Acer macrophyllum Bagleaf maple 15.8 Good Good 6 Significant Retain Washe Mount Washe Mount Mount Washe Mount													
1566 Site Tree Thujo pificato Western recederal 1.9 Good Good 6 Significant Retain Wisble Hollow at base to 6 feet													
1867 Site Tree Acer macrophyllum Sugles frange 2.0 Good Foor 19 Significant Retain Non-Viable Non-													
1586 Str Tee Pseudotsuga menulesii Douglas-fir 3.5 Sood Good 17 Landmark Tanamark Tanama			 										
1596 Ste Tree Pseudotsup members Douglas-fire 1.8 Good Good 12 Suprificant Impacted Viable													Hollow at base to 6 feet
1970 Site Tree Acer macrophyllum Bigleef maple 9,7 Good Good 13 Significant Maple Been, not tagged Significant Vable Been, not tagged Significant Significan	1568	Site Tree	Pseudotsuga menziesii	Douglas-fir		Good	Good		Significant	Retain			
1373 Ste Tree Pseudostage menziesis Douglas-fir 31.0 Good Good 12 Significant Retain Viable Sees, not tagged 1372 Ste Tree Ace macrophylium Bigled maple 6.5 Good Good 12 Significant Retain Viable Remove Frontage improvements** Significant Remove University Significant Significa	1569	Site Tree	Pseudotsuga menziesii	Douglas-fir	31.8	Good	Good	17	Landmark	Impacted	Viable		
1572 Ste Tree Acer macrophyllum Signed maple 6.5 Good Good 12 Significant Retain Vable	1570	Site Tree	Acer macrophyllum	Bigleaf maple	9.7	Good	Good	13	Significant	Impacted	Viable		
1572 Ste Tree Acer macrophyllum Signed maple 6.5 Good Good 12 Significant Retain Vable	1571	Site Tree	Pseudotsuga menziesii	Douglas-fir	31.0	Good	Good	15	Landmark	Retain	Viable		Bees, not tagged
1573 Ste Tree Molus domestica Apple 11.0 Good Fair 15.0 Significant Remove - Unhealthy Non-Viable Remove for frontage improvements**, significant decay throughout Remove - Unhealthy Non-Viable Remove - Unhealthy Remove - Unhealthy Non-Viable Remove - Unhealthy Remove - Unhe	1572	Site Tree	Acer macrophyllum		6.5	Good	Good	12	Significant	Retain	Viable		
1575 Site Tree		_							-				
1575 Site Tree			-										Remove for frontage improvements** significant decay
1575 Site Tree Malus domestica Apple 12.1 Good Fair 15 Significant Remove Viable 1 Remove for frontage improvements**, decay of decay in trunk. Apple 10.0 Good Poor 12 Significant Remove Viable 1 Remove for frontage improvements**, large amount of decay in trunk. Apple 15.4 Good Good 13 Significant Remove Viable 1 Remove for frontage improvements** of decay in trunk. Remove Viable 1 Remove Viable 1 Remove For frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 12.4 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 1 Remove Viable 1 Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 1 Remove for frontage improvements** Prunus domestica Apple 1 Remove for frontage improvements** Prunus domestica Apple 1 Remove Viable 1 Remove Viable 1 Remove for frontage improvements** Prunus domestica Apple 1 Remove for frontage improvements** Prunus domestica App	137.	Site iiee	maias aomestica	, ippic	11.0			10	J.B.III.Ica.iic	nemove officerry	Tron vidence		
Site Tree Malus domestica Apple 10.0 Good Poor 12 Significant Remove - Unhealthy Non-Viable Remove for frontage improvements**, large amount of decay in trunk Remove Viable 1 Remove for frontage improvements** Non-Viable No	1575	Cita Tana	Adalisa damaatian	Amala	12.1	Caad	Fair	15	Cinnificant	Demana	Viable	1	-
Size Tree Moiss domestica Apple 15.4 Good Good 13 Significant Signif												1	
1575 Site Tree	15/6	Site Tree	Malus domestica	Apple	10.0	Good	Poor	12	Significant	Remove - Unhealthy	Non-Viable		
Site Tree Molus domestica Apple 12.4 Good Good 10 Significant Remove Viable 1 Remove for frontage improvements**													-
Site Tree Prunus emarginata var. Site Tree Acer pseudoplatanus Sycamore maple Sycam	1577	Site Tree	Malus domestica	Apple		Good	Good			Remove		1	
1580 Site Tree Prunus emarginato var. molis Significant Remove Viable 1 Remove for frontage improvements** Remove Viable 1 Remove for frontage improvements** Remove Viable 1 Remove for frontage improvements** Remove for frontage improve	1578	Site Tree	Malus domestica	Apple	12.4	Good	Good	10	Significant	Remove	Viable	1	Remove for frontage improvements**
Mollis M	1579	Site Tree	Prunus domestica	Common plum	12.0	Good	Good	8	Significant	Remove	Viable	1	Remove for frontage improvements**
Sist Tree Prunus emarginata var. Bitter cherry 9.2 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements**	1580	Site Tree	Prunus emarginata var.	Bitter cherry	10.7	Good	Good	18	Significant	Remove	Viable	1	Remove for frontage improvements**
1581 Site Tree Prunus emarginata var. Bitter cherry 9.2 Good Good 8 Significant Remove Viable 1 Remove for frontage improvements**			_	'					"				· '
molls moll	1581	Site Tree	-	Ritter cherry	9.2	Good	Good	8	Significant	Remove	Viable	1	Remove for frontage improvements**
1582 Site Tree Prunus emarginato vor. mollis Significant Remove Viable 1 Remove for frontage improvements**	1301	Jaco Tree	1 -	Dictor cherry	3.2	0000	0000	ľ	J.gcu.ic	nemore .	Viable	1	nemote to montage improvements
Site Tree Acer macrophyllum Bigleaf maple 21.1 Good Good Good Site Tree Acer macrophyllum Bigleaf maple 21.1 Good Good Good Site Site Free Acer macrophyllum Bigleaf maple 21.1 Good Good Good Site Site Site Free Acer macrophyllum Bigleaf maple Site Site Site Free Acer macrophyllum Bigleaf maple Site Site Site Site Free Acer macrophyllum Bigleaf maple Site Sit	1502	Cita Tana		Distance bears.	C 4	Caad	Caad	12	Cinnificant	Damaira	Viable	1	Demonstration in an automate **
1583 Site Tree Acer pseudoplatanus Sycamore maple 11.3 Good Fair 13 Significant	1582	Site Tree		Bitter therry	6.4	Good	Good	13	Significant	kemove	viable	1	kemove for frontage improvements.
Site Tree Acer pseudoplatanus Acer pse										_			
Site Tree Acer macrophyllum Bigleaf maple 34.1 Good Good 34 Landmark Remove Viable 3 Deadwood in canopy												1	
Site Tree Acer macrophyllum Bigleaf maple 34.1 Good Good 34 Landmark Remove Viable 3 Deadwood in canopy	1584	Site Tree	Acer pseudoplatanus	Sycamore maple	6.7	Good	Poor	11	Significant	Remove - Unhealthy	Non-Viable		
Site Tree Pseudotsuga menziesii Douglas-fir 36.8 Good Good 21 Landmark Impacted Viable Significant Significa													from base with included bark
1587 Site Tree Pseudotsuga menziesii Douglas-fir 15.0 Good Good Significant Impacted Viable Significant Significant Impacted Viable	1585	Site Tree	Acer macrophyllum	Bigleaf maple	34.1	Good	Good	34	Landmark	Remove	Viable	3	Deadwood in canopy
Site Tree Pseudotsuga menziesii Douglas-fir 26.0 Good Good 10 Significant Impacted Viable Enveloping fence, phototropic to the southwest	1586	Site Tree	Pseudotsuga menziesii	Douglas-fir	36.8	Good	Good	21	Landmark	Remove	Viable	3	
Site Tree Pseudotsuga menziesii Douglas-fir 26.0 Good Good 10 Significant Impacted Viable Enveloping fence, phototropic to the southwest	1587	Site Tree	Pseudotsuga menziesii	Douglas-fir	15.0	Good	Good	8	Significant	Impacted	Viable		
Site Tree Acer macrophyllum Bigleaf maple 21.1 Good Good 25 Significant Impacted Viable Enveloping fence, phototropic to the southwest	1588		Pseudotsuga menziesii	Douglas-fir	26.0	Good	Good	10		Impacted	Viable		
Site Tree Pseudotsuga menziesii Douglas-fir 37.0 Good Good 21 Landmark Retain Viable Codominant, one stem dead at 20 feet								-					Enveloping fence, phototropic to the southwest
Site Tree Acer macrophyllum Bigleaf maple 15.9 Good Fair 13 Significant Retain Viable Codominant, one stem dead at 20 feet		_	· · · ·	-					-				Enveloping rende, photodropic to the southwest
Site Tree Acer macrophyllum Bigleaf maple 17.8 Good Good 14 Significant Retain Viable Significant Significant Viable Significant Signific													Codominant, one stom doad at 20 feet
Site Tree Acer macrophyllum Bigleaf maple 16.7 Good Good 11 Significant Retain Viable Wound from base to 20 feet with decay													Codoffillant, one stem dead at 20 feet
1594 Site Tree					_								
1595 Site Tree Acer macrophyllum Bigleaf maple 8.8 Good Good 12 Significant Retain Viable On property line, shared tree 1597 Site Tree Acer macrophyllum Bigleaf maple 7.5 Good Good 13 Significant Retain Viable Viable 1598 Site Tree Acer macrophyllum Bigleaf maple 7.5 Good Good 17 Landmark Retain Viable 1598 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Thuja plicata Western redcedar 11.1 Good Good 10 Significant Retain Viable 1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pse									-				
1596 Site Tree Pseudotsuga menziesii Douglas-fir 47.5 Good Good 18 Landmark Retain Viable On property line, shared tree 1597 Site Tree Acer macrophyllum Bigleaf maple 7.5 Good Good 13 Significant Retain Viable 1598 Site Tree Pseudotsuga menziesii Douglas-fir 32.3 Good Good 17 Landmark Retain Viable 1599 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Thuja plicata Western redcedar 11.1 Good Good 10 Significant Retain Viable 1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant Retain Viable													Wound from base to 20 feet with decay
1597 Site Tree Acer macrophyllum Bigleaf maple 7.5 Good Good 13 Significant Retain Viable 1598 Site Tree Pseudotsuga menziesii Douglas-fir 32.3 Good Good 17 Landmark Retain Viable 1599 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Thuja plicata Western redcedar 11.1 Good Good 10 Significant Retain Viable 1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant	1595	Site Tree	Acer macrophyllum	Bigleaf maple	8.8	Good	Good	12	Significant	Retain	Viable		
1597 Site Tree Acer macrophyllum Bigleaf maple 7.5 Good Good 13 Significant Retain Viable 1598 Site Tree Pseudotsuga menziesii Douglas-fir 32.3 Good Good 17 Landmark Retain Viable 1599 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Thuja plicata Western redcedar 11.1 Good Good 10 Significant Retain Viable 1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant Retain Viable	1596	Site Tree	Pseudotsuga menziesii	Douglas-fir	47.5	Good	Good	18	Landmark	Retain	Viable		On property line, shared tree
1598 Site Tree Pseudotsuga menziesii Douglas-fir 32.3 Good Good 17 Landmark Retain Viable 1599 Site Tree Acer macrophyllum Bigleaf maple 13.5 Good Good 9 Significant Retain Viable 1600 Site Tree Thuja plicata Western redcedar 11.1 Good Good 10 Significant Retain Viable 1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant Retain Viable	1597	Site Tree	Acer macrophyllum	Bigleaf maple	7.5	Good	Good	13	Significant	Retain	Viable		
1599Site TreeAcer macrophyllumBigleaf maple13.5GoodGood9SignificantRetainViable1600Site TreeThuja plicataWestern redcedar11.1GoodGood10SignificantRetainViable1601Site TreePseudotsuga menziesiiDouglas-fir38.5GoodGood15LandmarkRetainViable1602Site TreePseudotsuga menziesiiDouglas-fir19.8GoodGood15SignificantRetainViable	1598	Site Tree	Pseudotsuga menziesii		32.3	Good	Good	17		Retain	Viable		
1600Site TreeThuja plicataWestern redcedar11.1GoodGood10SignificantRetainViable1601Site TreePseudotsuga menziesiiDouglas-fir38.5GoodGood15LandmarkRetainViable1602Site TreePseudotsuga menziesiiDouglas-fir19.8GoodGood15SignificantRetainViable			-									İ	
1601 Site Tree Pseudotsuga menziesii Douglas-fir 38.5 Good Good 15 Landmark Retain Viable 1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant Retain Viable								-					
1602 Site Tree Pseudotsuga menziesii Douglas-fir 19.8 Good Good 15 Significant Retain Viable								-				1	
								-					
LDDS Site free Pseudousuga menziesii Douglas-III 12.0 GOOD Fair 8 Significant Metain VIADIE Girdling by barbed wire, lost top												1	Cirdling by healed wise leating
	1603	site iree	rseuuotsuga menziesii	Douglas-tir	12.0	JG000	rair	ō	Significant	Ketain	viable	1	Girdling by parbed wire, lost top



			1									
							Dripline				Number of	
1	Tree			DSH	Health	Structural	Radius	Tree	Preliminary Tree		Replacement	
ID	Location	Scientific Name	Common Name	(inches)	Condition	Condition	(feet)	Designation	Retention	Viability	Trees	Notes
1604	Site Tree	Acer macrophyllum	Bigleaf maple	19.2	Good	Good	14	Significant	Impacted	Viable		
1605	Site Tree	Pseudotsuga menziesii	Douglas-fir	41.1	Good	Good	14	Landmark	Retain	Viable		
1606	Site Tree	Acer macrophyllum	Bigleaf maple	10.1	Good	Good	13	Significant	Impacted	Viable		
1607	Site Tree	Acer macrophyllum	Bigleaf maple	17.2	Good	Good	13	Significant	Retain	Viable		
1608	Site Tree	Acer macrophyllum	Bigleaf maple	11.8	Good	Good	16	Significant	Retain	Viable		
1609	Site Tree	Acer macrophyllum	Bigleaf maple	27.5	Good	Good	13	Significant	Impacted	Viable		Codominant at 8 feet
1610	Site Tree	Acer macrophyllum	Bigleaf maple	14.4	Good	Good	13	Significant	Impacted	Viable		Phototropic to north
	Site Tree	Acer macrophyllum	Bigleaf maple	23.6	Good	Good	16	Significant	Impacted	Viable		Phototropic to north
	Site Tree	Acer macrophyllum	Bigleaf maple	11.2	Good	Good	12	Significant	Impacted	Viable		Phototropic to north
	Site Tree	Acer macrophyllum	Bigleaf maple	26.0	Good	Good	21	Significant	Impacted	Viable		Phototropic to north, codominant at 6 feet, enveloping
'			0					0				wire fence
1614	Site Tree	Thuja plicata	Western redcedar	29.2	Good	Good	13	Significant	Impacted	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	19.5	Good	Good	14	Significant	Impacted	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	10.1	Good	Good	12	Significant	Impacted	Viable		
	Site Tree	Thuja plicata	Western redcedar	33.6	Good	Good	13	Landmark	Impacted	Viable		Adjust Anchor point in order to not impact landmark
1017	site free	Thuju piicutu	Western reuceual	33.0	Good	Good	13	Lanumark	impacteu	Viable		
1610	Cita Tana	Thuis slicets	Masters sedende:	15.7	C4	Cood	12	Cinnifinant	Invariant of	Viable	1	tree
-	Site Tree	Thuja plicata	Western redcedar	15.7	Good	Good	13	Significant	Impacted	Viable	-	
-	Site Tree	Thuja plicata	Western redcedar	24.2	Good	Good	12	Significant	Impacted	Viable		
-	Site Tree	Thuja plicata	Western redcedar	7.5	Good	Fair	8	Significant	Impacted	Viable		Suppressed
	Site Tree	Thuja plicata	Western redcedar	23.5	Good	Good	12	Significant	Impacted	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	8.5	Good	Good	9	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	33.0	Good	Good	12	Landmark	Retain	Viable		
1624	Site Tree	Thuja plicata	Western redcedar	9.4	Good	Good	9	Significant	Retain	Viable		
1625	Site Tree	Thuja plicata	Western redcedar	11.8	Good	Good	11	Significant	Retain	Viable		
1626	Site Tree	Acer macrophyllum	Bigleaf maple	8.4	Good	Good	13	Significant	Retain	Viable		
1627	Site Tree	Acer macrophyllum	Bigleaf maple	12.3	Good	Good	14	Significant	Retain	Viable		
1628	Site Tree	Pseudotsuga menziesii	Douglas-fir	32.0	Good	Good	16	Landmark	Retain	Viable		
1629	Site Tree	Pseudotsuga menziesii	Douglas-fir	12.3	Good	Good	10	Significant	Retain	Viable		
1630	Site Tree	Pseudotsuga menziesii	Douglas-fir	26.5	Good	Good	15	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	12.1	Good	Good	8	Significant	Retain	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	30.4	Good	Poor	14	Landmark	Retain - Unhealthy	Non-Viable		Codominant at 25 feet, one stem dead, significant decay
'			0						,	' ' ' '		at union in both stems, low vigor
1633	Site Tree	Acer macrophyllum	Bigleaf maple	14.0	Good	Good	12	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	16.6	Good	Good	8	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	14.5	Good	Good	13	Significant	Retain	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	12.1	Good	Good	9	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	34.6	Good	Good	9	Landmark	Retain	Viable		
-	Site Tree	Pseudotsuga menziesii	Douglas-fir	14.0	Good	Good	12	Significant	Retain	Viable		
				6.0			15	-		Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	_	Good	Good		Significant	Retain			
	Site Tree	Acer macrophyllum	Bigleaf maple	6.1	Good	Good	10	Significant	Retain	Viable		Code and a state for the state of the state
1641	Site Tree	Acer macrophyllum	Bigleaf maple	28.8	Good	Fair	18	Significant	Remove	Viable	1	Codominant at 15 feet, one dead stem, phototropic to
		2 1									-	north
	Site Tree	Pseudotsuga menziesii	Douglas-fir	39.0	Good	Good	14	Landmark	Retain	Viable	1	
	Site Tree	Acer macrophyllum	Bigleaf maple	9.2	Good	Good	8	Significant	Retain	Viable	1	
-	Site Tree	Pseudotsuga menziesii	Douglas-fir	32.0	Good	Good	13	Landmark	Retain	Viable		
	Site Tree	Acer macrophyllum	Bigleaf maple	7.0	Good	Good	10	Significant	Retain	Viable		
	Site Tree	Acer pseudoplatanus	Sycamore maple	12.6	Good	Good	13	Significant	Remove	Viable	1	
1647	Site Tree	Acer pseudoplatanus	Sycamore maple	13.0	Good	Good	14	Significant	Remove	Viable	1	
	Site Tree	Acer pseudoplatanus	Sycamore maple	15.3	Good	Good	15	Significant	Remove	Viable	1	Codominant at 20 feet
1649	Site Tree	Acer pseudoplatanus	Sycamore maple	16.0	Good	Good	13	Significant	Remove	Viable	1	Codominant at 15 feet
1650	Site Tree	Acer pseudoplatanus	Sycamore maple	16.8	Good	Good	17	Significant	Remove	Viable	1	
1651	Site Tree	Acer pseudoplatanus	Sycamore maple	15.0	Good	Good	20	Significant	Remove	Viable	1	
1652	Site Tree	Acer pseudoplatanus	Sycamore maple	7.8	Good	Good	16	Significant	Remove	Viable	1	
-	Site Tree	Acer pseudoplatanus	Sycamore maple	8.2	Good	Good	16	Significant	Retain	Viable		
	Site Tree	Pseudotsuga menziesii	Douglas-fir	25.6	Good	Good	12	Significant	Retain	Viable	İ	
	Site Tree	Acer pseudoplatanus	Sycamore maple	8.6	Good	Good	9	Significant	Retain	Viable	İ	
	Site Tree	Acer pseudoplatanus	Sycamore maple	11.8	Good	Good	13	Significant	Remove	Viable	1	
	Site Tree	Betula pendula	European white birch	13.4	Good	Fair	11	Significant	Remove	Viable	1	Dead top
			.,					-				



				DC!!			Dripline		D. P		Number of	
Tree	Tree	Caiantifia Nama	Common Name	DSH (in ab a a)	Health	Structural	Radius	Tree	Preliminary Tree	Minhilla.	Replacement	N
	Location	Scientific Name	Common Name	(inches)	Condition	Condition	(feet)	Designation	Retention	Viability	Trees	Notes
1658	Site Tree	Acer macrophyllum	Bigleaf maple	26.0	Good	Good	17	Significant	Remove	Viable Viable	1	Codeminant at 2 feet instruded heads
1659	Site Tree	Prunus serrulata	Flowering cherry	11.0	Good	Fair	16 11	Significant	Remove		3	Codominant at 3 feet, included bark
1660	Site Tree	Thuja plicata	Western redcedar	41.9	Good	Good		Landmark	Remove	Viable	1	Multistem at 5 feet
1661	Site Tree	Prunus domestica	Common plum	7.5	Good	Fair	10 21	Significant	Remove	Viable	3	Codominant at 2 feet, included bark
1662	Site Tree	Thuja plicata	Western redcedar	39.8	Good	Good		Landmark	Remove	Viable	-	
1663	Site Tree	Picea pungens	Colorado spruce	14.4	Good	Good	11	Significant	Remove	Viable	1	Remove for frontage improvements**
1664	Site Tree	Prunus domestica	Common plum	10.5	Poor	Fair	13	Significant	Remove - Unhealthy	Non-Viable		Codominant at 3 feet, heavy ivy and grape covering canopy
1665	Site Tree	Abies grandis	Grand fir	17.8	Good	Fair	12	Significant	Remove	Viable	1	Lost top
1666	Site Tree	Abies grandis	Grand fir	15.0	Good	Good	10	Significant	Remove	Viable	1	
1667	Site Tree	Abies grandis	Grand fir	10.4	Fair	Good	8	Significant	Remove	Viable	1	Some dieback
1668	Site Tree	Prunus cerasifera	Cherry plum	13.1	Good	Fair	16	Significant	Remove	Viable	1	Multistem at 3 feet, included bark
1669	Site Tree	Liriodendron tulipifera	Tulip tree	19.9	Good	Good	29	Significant	Remove	Viable	1	
1670	Site Tree	Ilex aquifolium	English holly	8.2	Good	Good	9	Significant	Remove	Viable	1	Multistem at 1 foot
1671	Site Tree	Malus domestica	Apple	9.8	Good	Poor	13	Significant	Remove - Unhealthy	Non-Viable		Significant basal decay
1672	Site Tree	Tilia tomentosa	Silver Linden	10.6	Good	Good	19	Significant	Remove	Viable	1	Multistem at base
1673	Site Tree	Acer pseudoplatanus	Sycamore maple	17.8	Good	Good	17	Significant	Remove	Viable	1	
1674		Pseudotsuga menziesii	Douglas-fir	23.0	Good	Good	18	Significant	Remove	Viable	1	No access, not tagged, estimated measurements
1675	Site Tree	Thuja plicata	Western redcedar	19.0	Good	Good	18	Significant	Remove	Viable	1	Codominant at 2 feet
1676	Site Tree	Pyrus communis	European pear	10.1	Good	Good	8	Significant	Remove	Viable	1	
1677	Site Tree	Malus domestica	Apple	17.4	Good	Good	12	Significant	Remove	Viable	1	Invasive ivy to 10 feet
1678	Site Tree	Malus domestica	Apple	7.8	Good	Good	13	Significant	Remove	Viable	1	
A	Off-Site	Acer macrophyllum	Bigleaf maple	20.0	Good	Good	18	Significant	Retain	Viable		Appears to overhang site, no corner marker, corner not
												on survey, appears to overhang approximately 8 feet
В	Off-Site	Acer macrophyllum	Bigleaf maple	40.0	Good	Good	25	Landmark	Retain	Viable		Appears to overhang site, no corner marker, corner not
												on survey, appears to overhang approximately 5 feet, codominant at 6 feet
_	Off-Site	Pseudotsuga menziesii	Douglas-fir	28.0	Good	Good	13	Significant	Retain	Viable		Overhangs approximately 3 feet
D	Off-Site	Pseudotsuga menziesii	Douglas-fir	12.0	Good	Good	15	Significant		Viable		
5			-				22	+ -	Retain			Overhangs approximately 3 feet
E	Off-Site	Acer macrophyllum	Bigleaf maple	14.0	Good	Good		Significant	Retain	Viable		Overhangs approximately 2 feet
G	Off-Site	Acer macrophyllum	Bigleaf maple	10.0	Good	Good	19 25	Significant	Retain	Viable	1	Overhangs approximately 15 feet
	Off-Site	Acer macrophyllum	Bigleaf maple	14.7	Good	Fair		Significant	Remove	Viable		Remove for frontage improvements, overhangs approximately 23 feet, in ROW
Н	Off-Site	Pseudotsuga menziesii	Douglas-fir	35.0	Good	Good	29	Landmark	Remove	Viable	3	Reassess retention as plans are finalized, overhangs approximately 24 feet
ı	Off-Site	Picea pungens	Colorado spruce	10.0	Good	Good	12	Significant	Retained/Impacted*	Viable		Overhangs approximately 6 feet
J	Off-Site	Picea pungens	Colorado spruce	10.0	Good	Good	8	Significant	Retained/Impacted*	Viable		Overhangs approximately 2 feet
K	Off-Site	Tsuga heterophylla	Western hemlock	12.0	Fair	Good	12	Significant	Retained/Impacted*	Viable		Overhangs approximately 6 feet, sparse needles
L	Off-Site	Tsuga heterophylla	Western hemlock	14.0	Good	Good	20	Significant	Impacted	Viable		Overhangs approximately 15 feet
М	Off-Site	Thuja plicata	Western redcedar	20.0	Good	Good	12	Significant	Retain	Viable		Overhangs approximately site 1 foot
N	Off-Site	Tsuga heterophylla	Western hemlock	16.0	Good	Good	15	Significant	Retain	Viable		Overhangs approximately 8 feet
0	Off-Site	Acer macrophyllum	Bigleaf maple	12.0	Good	Good	30	Significant	Retain	Viable		Overhangs approximately 15 feet, deadwood in canopy
P	Off-Site	Acer pseudoplatanus	Sycamore maple	6.0	Good	Good	15	Significant	Impacted	Viable		Reassess retention as plans are finalized, overhangs
Q	Off-Site	Acer macrophyllum	Bigleaf maple	33.0	Good	Good	20	Landmark	Remove	Viable	3	approximately 10 feet Remove for frontage improvements, overhangs
R	Off-Site	llex aquifolium	English holly	8.6	Good	Good	10	Significant	Remove	Viable	1	approximately 18 feet, in ROW Remove for frontage improvements, overhangs
s			,	20.0	Const	C I	42			V6-1-1-		approximately 8 feet, in ROW
,	Off-Site	Pseudotsuga menziesii	Douglas-fir	28.0	Good	Good	12	Significant	Remove	Viable	1	Remove for frontage improvements, overhangs approximately 10 feet, in ROW
T	Off-Site	Thuja plicata	Western redcedar	29.0	Good	Good	13	Significant	Remove	Viable	1	Remove for frontage improvements, overhangs approximately 11 feet, in ROW
U	Off-Site	Acer macrophyllum	Bigleaf maple	26.0	Good	Good	12	Significant	Remove	Viable	1	Remove for frontage improvements, overhangs approximately 8 feet, in ROW
٧	Off-Site	Pseudotsuga menziesii	Douglas-fir	16.0	Good	Good	13	Significant	Impacted	Viable		Overhangs approximately 12 feet



Location Scientific Name

Tree Tree

Table of Trees

13437 NE 100th St Redmond, WA 98033, USA

Designation Retention

Date of Inventory: July 12, 2018 Table Prepared: August 29, 2018 Revised: February 27, 2019

I				
Dripline			Number of	
Radius	Tree	Preliminary Tree	Replacement	

Notes

Trees

Viability

Site Trees	Off-Site Trees	Total
74	8	82
18	1	19
92	9	101
0	3	3
0	0	0
0	3	3
33	3	36
6	0	6
39	3	42
35	5	40
4	2	6
39	7	46
35	5	40
12	6	18
47	11	58
	74 18 92 0 0 0 0 333 6 39 35 4 39 112 47	74 8 18 1 92 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

Viable Site Trees 170 Non-Viable Site Trees 8

Total Site Trees 178

Preliminary Retention Percentage for Site Trees 54.1%

Structural

(feet)

(inches) Condition Condition

Additional notes:

DSH (Diameter at Standard Height) is measured 4.5 feet above grade.

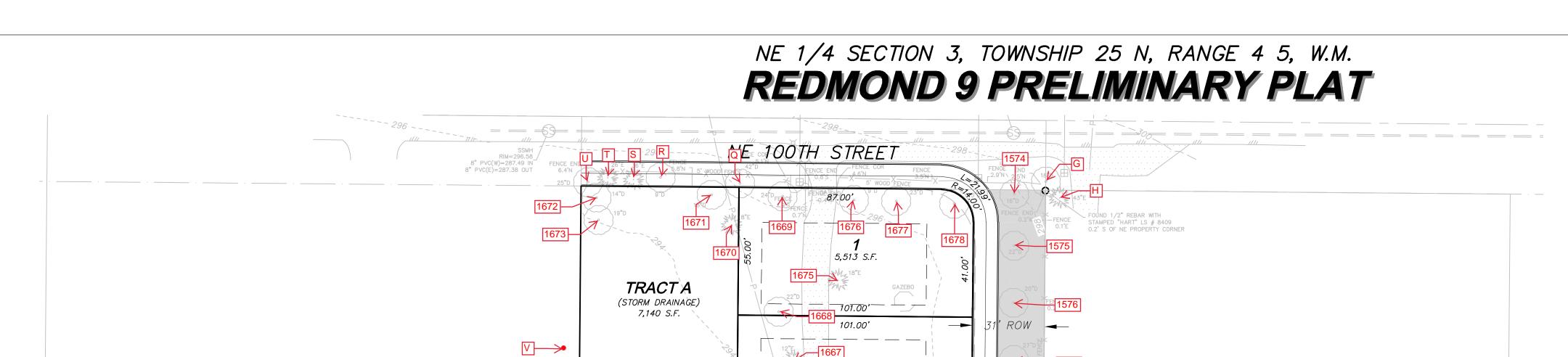
Common Name

Multi-stem trees are noted, and a single stem equivalent is calculated by averaging the diameters of the stems measured six inches above the union Drip line is measured from the center of the tree to the outermost extent of the canopy

*Trees that are considered Retained/Impacted will require mitigation measures to ensure viability throughout the project in order to count toward retention requirements for the site

	Site Trees										
Tree	Remove	Impacted	Retained/I	Retained	Total						
Landmar	4	6	0	18	28						
k (>30"	2.4%	3.5%	0.0%	10.6%	16.5%						
Significan	35	33	0	74	142						
t (6" -	20.6%	19.4%	0.0%	43.5%	83.5%						
Total	39	39	0	92	170						
	22.9%	22.9%	0.0%	54.1%	100.0%						
Replace ment	47	0	0	0	47						

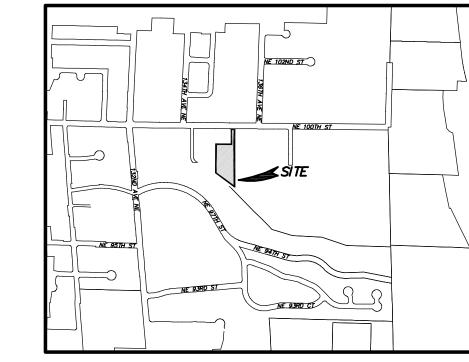
	Off-Site Trees										
Tree	Remove	Impacted	Retained/I	Retained	Total						
Туре			mpacted*								
Landmar	2	0	0	1	3						
k (>30"	9.1%	0.0%	0.0%	4.5%	13.6%						
Significan	5	3	3	8	19						
t (6" -	22.7%	13.6%	13.6%	36.4%	86.4%						
Total	7	3	3	9	22						
	31.8%	13.6%	13.6%	40.9%	100.0%						
Replace	11	0	0	0	11						
ment											



0.3'E

J

←A





PROJECT NOTES

ALL SITE INFORMATION OBTAINED FROM SURVEY BY OTHERS. BOUNDARY AND OTHER SITE FEATURES ARE APPROXIMATE AND HAVE NOT BEEN CONFIRMED BY DRS.

2. SITE ADDRESS:

3. TAX PARCEL NO:

13437 AND 13411 NE 100TH STREET 98033 KIRKLAND, WA 0325059035 AND 0325059208

4. SITE AREA:

107,400 S.F. (2.466 ACRES)

5. ZONING: 6. MIN. AVERAGE LOT SIZE:

4,000 PER RZC 21.08.070.B

7. MIN. LOT WIDTH: 8. MAX IMPERVIOUS SURFACE:

35 FT. PER RZC 21.08.070.B 65% PER RZC 21.08.070.B

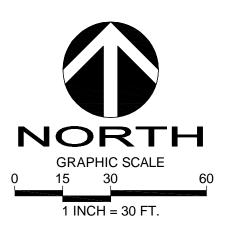
		Table 21.08.070A Regulations Common to All Use	es
	Regulation	Site area of 30,500 square feet or greater	Site area less than 30,500 square feet
	Average Lot Size	4,000 square feet	7,000
	Required Density	80 percent of net acres	80 percent of net acres
	Lot Width Circle	35 feet	40 feet
	Lot Frontage	20 feet	20 feet
Minimum	Setbacks		
	Front	15 feet	15 feet
	Garage	18 feet	18 feet
	Side / Interior (each side)	5 feet / 10 feet	5 feet / 10 feet
	Side Street	15 feet	15 feet
	Rear	10 feet	10 feet
	Alley	4 feet	4 feet
	Lake Sammamish	35 feet	35 feet
	Building Separation	15 feet; 10 feet for cottages, size-limited dwellings, small-lot short plats, accessory dwelling units, and locations where these structures or cottages adjoin larger dwelling units.	15 feet; 10 feet for cottages, size-limited dwellings, small-lot short plats, accessory dwelling units, and locations where these structures or cottages adjoin larger dwelling units.
	Open Space	20 percent of total lot area	20 percent of total lot area
	Density	5 units per acre, except when participating in cottage housing or programs with bonus density provisions	4 units per acre, except when participating in cottage housing or programs with bonus density provisions
Maximum	Lot Coverage for Structures	35 percent of total lot area	35 percent of total lot area
	Impervious Surface	65 percent of total lot area	60 percent of total lot area
	Building Height	25 feet; 30 feet in Shoreline Jurisdiction	25 feet; 30 feet in Shoreline Jurisdiction
	Drive-through	n/a	Drive-through facilities are prohibited except where expressly permitted in the Allowed Uses and Special Regulations table below.

Tree Solutions Inc. Arborists: Joshua Petter & Tyler Bunton

206-528-4670

Tree Inventory August 29, 2018

Tree inventory took place on July 12, 2018 and included all trees 6-inches diameter or greater on the site. We also assessed trees with overhanging canopies. Tree icons used on the survey do not denote canopy drip lines. Drip line measurements and other tree specifics are listed in the tree table produced by Tree Solutions Inc. and should be added to this drawing prior to any design relating to tree protection.



D.R. STRONG CONSULTING ENGINEERS INC.

D.R. STRONG

CONSULTING ENGINEERS ENGINEERS PLANNERS SURVEYORS 620 - 7th AVENUE KIRKLAND, WA 98033 O 425.827.3063 F 425.827.2423

DRAFTED BY: **ZLJ** DESIGNED BY: **ZLJ** PROJECT ENGINEER: LRJ DATE: **04.09.18** PROJECT NO.: **18037**

DRAWING: 1 SHEET: 1 OF 1



Consulting Arborists

Project No. TS - 6413

Memorandum

TO: City of Redmond

SITE: 13437 NE 100th St, Redmond, WA 98033

RE: Exception request to remove six (6) Landmark trees per RZC 21.72.090

Exception request to impact six (6) Landmark trees

DATE: February 27, 2019

PROJECT ARBORISTS: Joshua Petter

ISA Certified Arborist #PN-8406A ISA Qualified Tree Risk Assessor

Tyler Bunton

ISA Certified Arborist #PN-8715A ISA Qualified Tree Risk Assessor

Summary

The site is located in a RIN Single-Family Urban residential zone and is currently under consideration for development. The property fronts NE 100th St in Redmond. It currently contains three parcels. There are two houses, a garage, and shed on the property. There are a number of fences on the property. The site is relatively flat on the northern half. The southern portion slopes downward to a stream and wetland area.

In accordance with RZC 21.72.060, all new development is required to retain 35 percent of the trees on site. For the subject site, 23 trees would need to be retained to meet the 35 percent retention requirement. The proposed plan for the site meets this requirement at 54.1 percent retention.

The project area has total of 31 Landmark trees; 28 of which are on site and three of which are located on adjacent property.

RZC 21.72.060 A.2., requires that all Landmark trees be retained unless an exception request is granted. Per RZC 21.72.090, an exception will be not be granted unless B.1., B.2., B.3., and B.4. are satisfied. Below, please find the requests to remove four and impact two Landmark trees.

Tree 1585: Request an exception to remove Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This tree is located within the proposed area for Lot 9 and adjacent to the proposed retaining wall necessary for construction area grading. A large percentage of the dripline encroaches into the buildable area of the lot. The encroachments into the dripline for grading and construction could not guarantee survivability.

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or Moving the retaining wall to an appropriate distance from the tree will result in the lot being too small to develop. Tree survival could not be guaranteed with the grading in the dripline.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

Tree 1586: Request an exception to remove Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This tree is located on the southeast corner of lot 9 and would need to be removed based on the proposed construction of the retaining wall necessary for construction area grading.

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or Moving the retaining wall to an appropriate distance from the tree will result in the lot being too small to develop. Tree survival could not be guaranteed with the grading in the dripline.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

<u>Tree 1660</u>: Request an exception to remove Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This tree is located within the buildable area for Lot 6. Retention of this tree would result in the buildable area of the lot being too small to develop.

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or There is no feasible alternative for placement of Lot 6.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

Tree 1662: Request an exception to remove Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This tree is located within the proposed area for Lot 6. A large percentage of the dripline encroaches into the buildable area of the lot. The encroachments into the dripline for grading and construction could not guarantee survivability.

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or There is no feasible alternative for placement of Lot 6. Tree survival could not be guaranteed with the grading and construction within the dripline.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

Tree H: Request an exception to remove Landmark tree adjacent to site

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This is an offsite tree that would be in conflict with proposed frontage improvements associated with the development of the property. The access road and grading for these improvements are required within the trees dripline.

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be removed to provide required ROW and frontage improvements and access to the site.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

Tree Q: Request an exception to remove Landmark tree adjacent to site

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

This tree is located in the area for required right of way (ROW) and frontage improvements associated with the development of the property. Grading for these improvements are required within the trees dripline.

B.1.b. Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be removed to provide required ROW and frontage improvements.

B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 32 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

The project is proposing retention above the 35 percent retention minimum. The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is not located within the open space tract - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

The removal of this Landmark tree will be mitigated by replacement at a 3:1 ratio.

Tree 1508: Request an exception to impact Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

B.1.b. Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.

B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Tree 1511: Request an exception to **impact Landmark tree**

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

B.1.b. Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.

B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Tree 1515: Request an exception to impact Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Tree 1563: Request an exception to **impact Landmark tree**

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

B.1.b. Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.

B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Tree 1569: Request an exception to **impact Landmark tree**

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

B.1.b. Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.

B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Tree 1617: Request an exception to impact Landmark tree

B.1.a. There are special circumstances related to the size, shape, topography, location, or surroundings of the subject property; or

- **B.1.b.** Strict compliance with the provisions of this code may jeopardize reasonable use of property; or The tree must be impacted to provide required stormwater outflow for the development.
- B.1.c. Proposed vegetation removal, replacement, and any mitigating measures proposed are consistent with the purpose and intent of the regulations; or

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond. Anchor points for the storm pipe may be adjusted to avoid large structural roots.

B.1.d. The granting of the exception or standard reduction will not be detrimental to the public welfare or injurious to other property in the vicinity; or

Out of the 31 Landmark trees in the project area, 19 are to be retained. All removed landmark trees be replaced at a 3:1 ratio. Please note that 74 healthy significant trees will be retained on site without being impacted. Public welfare and adjacent properties will not be compromised.

B.2. If an exception is granted below the required minimum retention standard of 35 percent, tree replacement shall be at a minimum of three trees for each significant tree removed. Tree replacement ratios may be modified for master plans within urban centers to allow for 1:1 replacement when accompanied by a three-tier vegetative replacement plan.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

B.3. Native Growth Protection Area (NGPA). Trees within an established NGPA shall not be removed, except when removal has its specified purpose.

This tree is proposed to be impacted - items a through h not applicable.

B.4. Proposed tree removal, replacement, and any mitigation proposed are consistent with the purpose and intent of this section.

This Landmark tree is proposed to be impacted and will require a 3-year tree replacement performance bond.

Appendix A - Assumptions & Limiting Conditions

- Consultant has agreed to undertake Services on the subject Site. Consultant assumes that the Client owns or
 is the agent for the owner of the Site and that the legal description of the Site provided by the Client is accurate.
 Consultant assumes that Client has granted a license over, under, upon, and across the Site for the limited
 purpose of providing Services.
- 2. Consultant assumes that the Site and its use do not violate and is in compliance with all applicable codes, ordinances, statutes or regulations.
- 3. The Client is responsible for making all relevant records and related information available to the Consultant and for the accuracy and completeness of that information. Consultant may also obtain information from other sources that it considers reliable. Nonetheless, Client is responsible for the accuracy and completeness of that additional information and Consultant assumes no obligation for the accuracy and completeness of that additional information.
- 4. The Consultant may provide report or recommendation based on published municipal regulations. The Consultant assumes that the municipal regulations published on the date of the report are current municipal regulations and assumes no obligation related to unpublished city regulation information.
- 5. Any report by Consultant and any values expressed therein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event, or upon any finding to be reported.
- 6. Ownership of any documents produced passes to the Client only when all fees have been paid.
- 7. All photographs included in our reports were taken by Tree Solutions, Inc. during the documented Site visit, unless otherwise noted. Sketches, drawings and photographs in any report by Consultant, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.
- 8. Unless otherwise agreed, (1) information contained in any report by Consultant covers only the items examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring.
- 9. Consultant makes no warranty or guarantee, express or implied, that the problems or deficiencies of the plants or Site in question may not arise in the future. Any report is based on the observations and opinions of the authoring arborist, and does not provide guarantees regarding the future performance, health, vigor, structural stability or safety of the plants described assessed. Neither the Arborist nor Tree Solutions, Inc. has assumed any responsibility for liability associated with the trees on or adjacent to this project site, their future demise and/or any damage which may result therefrom. Any changes to an established tree's environment can cause its decline, death and/or structural failure.
- 10. Measurements are subject to typical margins of error, considering the oval or asymmetrical cross-section of most trunks and canopies.
- 11. Tree Solutions did not review any reports or perform any tests related to the soil located on the subject property unless outlined in the scope of services. Tree Solutions staff are not and do not claim to be soils experts. An independent inventory and evaluation of the site's soil should be obtained by a qualified professional if an additional understanding of the site's characteristics is needed to make an informed decision.
- 12. Our assessments are made in conformity with acceptable evaluation/diagnostic reporting techniques and procedures, as recommended by the International Society of Arboriculture.